

## Scope of Work for ICN Gateway Scarborough Floating Production Unit

<b>Package Name</b>	Monoblock Ball Valves (0.5" to 10" and CL150 to CL2500)																																																																							
<b>Package Number</b>	SA8840RM1000010																																																																							
<b>Scope of Supply</b>	<ul style="list-style-type: none"> <li>• Monoblock Ball Valves Metallurgies:-             <ul style="list-style-type: none"> <li>▪ Carbon Steel (0.5" to 10") : 16 qty.</li> <li>▪ Low Temperature Carbon Steel (0.5" to 10") : 113 qty.</li> <li>▪ Low temperature (3.5 % Ni) Alloy Steels (0.5" to 10") : 9 qty.</li> <li>▪ Stainless Steel (0.5" to 10") : 20 qty.</li> <li>▪ Duplex Stainless Steel (0.5" to 10") : 14 qty.</li> <li>▪ Super Duplex Stainless Steel (0.5" to 10") : 8 qty.</li> <li>▪ Super Austenitic Stainless Steel Type 6Mo UNS S31254 (0.5" to 10") : 6 qty.</li> <li>▪ Nickel Aluminium Bronze (0.5" to 10") : 3 qty.</li> <li>▪ Titanium (0.5" to 4") : 5 qty.</li> <li>▪ Copper Nickel (0.5" to 4") : 5 qty.</li> </ul> </li> </ul>																																																																							
<b>Specifications and Standards:</b>	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center;">Document Number</th> <th style="text-align: center;">Title</th> <th style="text-align: center;">Rev.</th> </tr> </thead> <tbody> <tr> <td></td> <td><b>Woodside Specifications:</b></td> <td></td> </tr> <tr> <td>W1000SM8253595</td> <td>Engineering Standard Piping Systems General Requirements</td> <td style="text-align: center;">1</td> </tr> <tr> <td>W1000SM9099854</td> <td>Engineering Standard Piping Material Specification Offshore</td> <td style="text-align: center;">1</td> </tr> <tr> <td>W1000SQ002</td> <td>Engineering Standard Certification, Traceability And Identification Requirements For Engineering Products</td> <td style="text-align: center;">7</td> </tr> <tr> <td>W1000SL001</td> <td>Engineering Standard Materials Selection And Corrosion Control (Amendments To ISO 21457, ISO 13628-1 And ISO 17348)</td> <td style="text-align: center;">5</td> </tr> <tr> <td>W1000SM5234504</td> <td>Engineering Standard Welding Management</td> <td style="text-align: center;">2</td> </tr> <tr> <td>W1000SL8512367</td> <td>Engineering Standard Pressure Equipment Materials (IOGP S-563 Piping Material Specification)</td> <td style="text-align: center;">2</td> </tr> <tr> <td>W1000SM002</td> <td>Engineering Standard Protective Coating Systems – Amendments to Norsok M-501</td> <td style="text-align: center;">8</td> </tr> <tr> <td>W1000SK8627655</td> <td>Engineering Standard Supplier Documentation Requirements</td> <td style="text-align: center;">2</td> </tr> <tr> <td>W1000SQ8474523</td> <td>Engineering Standard Quality Requirement For Supply Of Product and Services</td> <td style="text-align: center;">4</td> </tr> <tr> <td>W1000SM3267221</td> <td>Engineering Standard Supply of Valves</td> <td style="text-align: center;">7</td> </tr> <tr> <td>W1000SM030</td> <td>Engineering Standard Bolts, Stud Bolts And Nuts - Pressure Equipment And Structural Applications</td> <td style="text-align: center;">6</td> </tr> <tr> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td><b>Project Specifications:</b></td> <td></td> </tr> <tr> <td>SA0000SR0000001</td> <td>Specification for Operations Readiness for SELLERS</td> <td style="text-align: center;">1</td> </tr> <tr> <td>SA0000SM0000046</td> <td>Addendum to Engineering Standard Piping Systems General Requirement (W1000SM8253595)</td> <td style="text-align: center;">1</td> </tr> <tr> <td>SA8800SM0000022</td> <td>Specification for Valves</td> <td style="text-align: center;">1</td> </tr> <tr> <td>SA8800SM0000021</td> <td>Offshore Piping Material Specification</td> <td style="text-align: center;">1</td> </tr> <tr> <td>SA8800SL0000001</td> <td>Specification for Painting and Coating</td> <td style="text-align: center;">2</td> </tr> <tr> <td>SA8840SL0000001</td> <td>Welding Specification – Pressure Piping</td> <td style="text-align: center;">1B</td> </tr> <tr> <td>SA0000SM000</td> <td>Technical Instruction to Bidders/Supplier of Piping</td> <td style="text-align: center;">C</td> </tr> </tbody> </table>			Document Number	Title	Rev.		<b>Woodside Specifications:</b>		W1000SM8253595	Engineering Standard Piping Systems General Requirements	1	W1000SM9099854	Engineering Standard Piping Material Specification Offshore	1	W1000SQ002	Engineering Standard Certification, Traceability And Identification Requirements For Engineering Products	7	W1000SL001	Engineering Standard Materials Selection And Corrosion Control (Amendments To ISO 21457, ISO 13628-1 And ISO 17348)	5	W1000SM5234504	Engineering Standard Welding Management	2	W1000SL8512367	Engineering Standard Pressure Equipment Materials (IOGP S-563 Piping Material Specification)	2	W1000SM002	Engineering Standard Protective Coating Systems – Amendments to Norsok M-501	8	W1000SK8627655	Engineering Standard Supplier Documentation Requirements	2	W1000SQ8474523	Engineering Standard Quality Requirement For Supply Of Product and Services	4	W1000SM3267221	Engineering Standard Supply of Valves	7	W1000SM030	Engineering Standard Bolts, Stud Bolts And Nuts - Pressure Equipment And Structural Applications	6								<b>Project Specifications:</b>		SA0000SR0000001	Specification for Operations Readiness for SELLERS	1	SA0000SM0000046	Addendum to Engineering Standard Piping Systems General Requirement (W1000SM8253595)	1	SA8800SM0000022	Specification for Valves	1	SA8800SM0000021	Offshore Piping Material Specification	1	SA8800SL0000001	Specification for Painting and Coating	2	SA8840SL0000001	Welding Specification – Pressure Piping	1B	SA0000SM000	Technical Instruction to Bidders/Supplier of Piping	C
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	0047	Components		
	SA0000SQ0000001	Quality Specification for Supply of Products and Services	2	
	SA8840SL0000002	PMI Specification	1B	
		<b>Regulatory and Certifications:</b>		
	SA0000SQ0000003	Certification & Regulatory Compliance Specification for Supply of Products & Services (If applicable)	5	
		<b>International Codes and Standards</b>		
	ASME B31.3	Process Piping	2016	
	ASME B16.34	Valves – Flanged, Threaded and Welding End	Latest	
	API 598	Valve Inspection and Testing	Latest	
	API 594	Check Valves: Flanged, Lug, Wafer and Butt-welding	Latest	
	NORSOK M-501	Surface Preparation and Protective Coating	Latest	
	IOGP-563	Material Data Sheets for Piping and Valve Components.	Dec. 2018	
	IOGP Link	<a href="http://www.iogp.org/bookstore/product/piping-material-specification">http://www.iogp.org/bookstore/product/piping-material-specification</a>		
		<b>Australian Standards</b>		
		-		
		<b>DNVGL</b>		
	DNVGL-OS-A101	Safety principles and arrangements	Jul 2018	
	DNVGL-OS-B101	Metallic Materials	Jul 2018	
	DNVGL-OS-D101	Marine and machinery systems and equipment	Jan 2018	
		<b>Quality Requirements</b>		
	W1000SE164592	Engineering Standard Hazardous Area Equipment (EEHA) Competency Requirements	4	
	W1000SQ002	Engineering Standard Certification, Traceability and Identification Requirements for Engineering Products	7	
	W1000SM002	Engineering Standards Protective Coatings (Amendments to NORSOK M-501)	8	
	W1000SL8107502	Engineering Standard Positive Material Identification (If applicable)	1	
	SA8840SL0000002	PMI Specification	2	
	W1000SK8627655	Engineering Standard Supplier Documentation Requirements	2	
	W1000SG8676422	Engineering Standard Lifting Equipment.	2	
	W1000SQ8474523	Quality Requirements for supply of products and services	4	
	SA0000SQ0000001	Quality Specification for Supply of Products and Services	2	
<b>Minimum Scope of Work Requirements:</b>	<ol style="list-style-type: none"> <li>1. Engineering Detailed Design and Procurement of Materials and Equipment.</li> <li>2. Fabrication</li> <li>3. Inspection &amp; Testing</li> <li>4. Documentation</li> <li>5. Packing &amp; Preservation Package</li> <li>6. Proven Design</li> <li>7. Offshore application</li> <li>8. Low/ Unmanned</li> </ol>			

<b>Contact:</b>	<p>Industry Capability Network Western Australia (+61 8) 9365 7623  Name: Carla Peyton / Linus O'Brian  Phone No.: T: (08) 9365 7543 / M: 0428 403 072 / (08) 9365 7556  E-mail: Carla.Chilvers@icnwa.org.au / Linus.OBrien@icnwa.org.au</p> <p>Please Note:</p> <ul style="list-style-type: none"> <li>▪ <b>This is a request for specific expressions of interest, vendors and contractors will be considered for prequalification and / or tender if suitably qualified. For general expressions of interest please ensure you are registered with Industry Capability Network Western Australia.</b></li> </ul>
<b>URL</b>	<p>For more information about McDermott, please refer to the McDermott website  <a href="https://www.mcdermott.com/">https://www.mcdermott.com/</a></p>
<b>Closing Date:</b>	<p>29-Oct-21</p>